



BIO-CEL® L-2
MBR Module

**MANN +
HUMMEL**

Submerged MBR Modules for Wastewater Treatment

HIGH EFFLUENT QUALITY

BIO-CEL® MBR is the cost-effective and scalable solution for meeting challenging effluent requirements for wastewater treatment. The BIO-CEL MBR membrane serves as an effective physical barrier for the retention of solids and bacteria. The BIO-CEL MBR modules produce a high volume of superior quality effluent at a consistent flow rate and is especially useful for water reuse applications.

SIMPLE MAINTENANCE

The open design of the BIO-CEL® L-2 module enables 360° access of the membrane stack. This greater access improves cleaning capabilities and significantly reduces maintenance time.

LESS CLEANING TIME

The patented BIO-CEL MBR membrane laminate combines the advantages of flat sheet and hollow fiber membranes, allowing for backwash capability and increased durability.



MATERIAL DATA ⁽¹⁾

| | | | |
|--------------------------------------|--|----------------------------|---|
| Membrane area | 480 m ² (5167 ft ²) | Connection permeate | 2 1/2" G thread, Stainless Steel ⁽²⁾ |
| Recommended airflow rate (Vn) | 90 Nm ³ /h (53 SCFM) | Dry Weight | 340 kg (750 lb) |
| Length (with diffuser unit) | 1524 mm (5.0 ft) | Membrane | PES |
| Width | 1080 mm (3.5 ft) | Housing | Stainless Steel |
| Height (with diffuser unit) | 2435 mm (8.0 ft) | Drainage | Polyester |
| Connection aeration | Lapped flange DN80, PN10/16, PP ⁽²⁾ | Diffusor | Membrane hose: PUR Support tube: PP |

Note: (1) nominal values // (2) adapters available

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